

Application No.	Applicant(s)	
10/086,258	YOO ET AL.	
Examiner	Art Unit	
B Chen	1762	

176

SUBCLASS SUBCLASS	[1	1		
CLASS SUBCLASS CLASS SUBCLASS CLASS SUBCLASS CLASS SUBCLASS CLASS C	1 188181 HOLL BOWN BOWN BOWN BOWN BOWN HOLE BOWN BOWN		B. Chen			1762				
CLASS SUBCLASS CLASS SUBCLASS CLASS SUBCLASS CLASS SUBCLASS CLASS C			ز:			10 A T1	SNI			
Class SUBCLASS CLASS SUBCLASS (ONE SUBCLASS PER BLOCK)	_	BUAIN AL	15	SSUE C	LASSIF			OE/S)		
A										
MITERNATIONAL CLASSIFICATION 438 783				255.39			J.IL GODOLAS			
C 2 3 C 16/22				3	4	255.37				
	INTERNATION	AL CLASSIFICATIO	N 438	783						
Claims renumbered in the same order as presented by applicant CPA	C 2 3 C	16/22								
Claims renumbered in the same order as presented by applicant CPA		/								
Claims renumbered in the same order as presented by applicant CPA		1								
Claims renumbered in the same order as presented by applicant CPA		1								
Claims renumbered in the same order as presented by applicant CPA		/								
Claims renumbered in the same order as presented by applicant CPA					$^{-}$					
Claims renumbered in the same order as presented by applicant CPA					ה יע			Total Claims Allowed: 24		
Claims renumbered in the same order as presented by applicant	(Aspist	tant Examiner) (Date)			N	12.104	O.G.	0.6	
Claims renumbered in the same order as presented by applicant	HIBA	Ylallani	Mah	PRIM	IARY EXAN	MNER	412010.			
E E	/ Keglender	/uphekis/kakhiner)	(bate) 4	(Pri	imary Examiner) (0	Date)	1	1	
EE EE<		Į								
1 31 61 91 121 151 18 2 32 62 92 122 152 18 3 33 63 93 123 153 18 4 34 64 94 124 154 18 5 35 65 95 125 155 18 6 36 66 96 126 156 186 7 37 67 97 127 157 18 8 38 68 98 128 158 18 9 39 69 99 129 159 18 10 40 70 100 130 160 190 11 41 71 101 131 161 19 12 42 72 102 132 162 19 13 43 73 103 133	⊠ Claims	renumbered in t	he same ord	er as presei	nted by app	licant [] CPA	☐ T.D.	☐ R.1.47	
1 31 61 91 121 151 18 2 32 62 92 122 152 18 3 33 63 93 123 153 18 4 34 64 94 124 154 18 5 35 65 95 125 155 18 6 36 66 96 126 156 186 7 37 67 97 127 157 18 8 38 68 98 128 158 18 9 39 69 99 129 159 18 10 40 70 100 130 160 190 11 41 71 101 131 161 19 12 42 72 102 132 162 19 13 43 73 103 133	— E		<u></u>	la l		-	la la l	<u>a</u> <u>a</u>	a a	
1 31 61 91 121 151 18 2 32 62 92 122 152 18 3 33 63 93 123 153 18 4 34 64 94 124 154 18 5 35 65 95 125 155 18 6 36 66 96 126 156 186 7 37 67 97 127 157 18 8 38 68 98 128 158 18 9 39 69 99 129 159 18 10 40 70 100 130 160 190 11 41 71 101 131 161 19 12 42 72 102 132 162 19 13 43 73 103 133	Fing	Fin Find	<u> <u>E</u></u>) rigi	Fini	lli	Prigi	Fin	Fin	
2 32 62 92 122 152 183 3 33 63 93 123 153 183 4 34 64 94 124 154 184 5 35 65 95 125 155 185 6 36 66 96 126 156 186 7 37 67 97 127 157 167 186 8 38 68 98 128 158 188 188 189 159 188 188 189 189 199 119 159 188 188 188 189 189 199 159 188 188 188 189 199 119 159 188 188 189 189 199 119 160 199 119 189 199 119 160 119 160 190 190 190 190										
3 33 63 93 123 153 186 4 34 64 94 124 154 184 5 35 65 95 125 155 186 6 36 66 96 126 156 186 7 37 67 97 127 157 187 8 38 68 98 128 158 188 9 39 69 99 129 159 188 10 40 70 100 130 160 190 11 41 71 101 131 161 19 12 42 72 102 132 162 19 13 43 73 103 133 163 19 14 44 74 104 134 164 19 15 45 75 105 135 165 19 16 46 76 106 136 166 19 17 47 77 107 137 167 19 18 48 78 108 138 168									·	
5 35 65 95 125 155 188 6 36 66 96 126 156 186 7 37 67 97 127 157 18 8 38 68 98 128 158 18 9 39 69 99 129 159 18 10 40 70 100 130 160 19 11 41 71 101 131 161 19 12 42 72 102 132 162 19 13 43 73 103 133 163 19 14 44 74 104 134 164 19 15 45 75 105 135 165 19 16 46 76 106 136 166 19 17 47 107 137 167 </td <td></td> <td></td> <th> </th> <td></td> <td></td> <td>1 </td> <td></td> <td></td> <td></td>			 			1				
6 36 66 96 126 156 186 7 37 67 97 127 157 18 8 38 68 98 128 158 18 9 39 69 99 129 159 18 10 40 70 100 130 160 19 11 41 71 101 131 161 19 12 42 72 102 132 162 19 13 43 73 103 133 163 19 14 44 74 104 134 164 19 15 45 75 105 135 165 19 16 46 76 106 136 166 19 17 47 77 107 137 167 19 18 48 78 108 138 </td <td></td> <td></td> <th></th> <td></td> <td>1</td> <td></td> <td></td> <td></td> <td></td>					1					
7 37 67 97 127 157 18 8 38 68 98 128 158 18 9 39 129 159 18 18 10 40 70 100 130 160 19 11 41 71 101 131 161 19 12 42 72 102 132 162 19 13 43 73 103 133 163 19 14 44 74 104 134 164 19 15 45 75 105 135 165 19 16 46 76 106 136 166 19 17 47 77 107 137 167 19 18 48 78 108 138 168 19 19 49 79 109 139 169 19 20 50 80 110 140 170 171<						\vdash				
8 38 68 98 128 158 18 9 10 40 70 100 130 160 19 11 41 71 101 131 161 19 12 42 72 102 132 162 19 13 43 73 103 133 163 19 14 44 74 104 134 164 19 15 45 75 105 135 165 19 16 46 76 106 136 166 19 17 47 77 107 137 167 19 18 48 78 108 138 168 19 19 49 79 109 139 169 19 20 50 80 110 140 170 170 20 21 51 81 111 141 141 171 20 22 52 82 112 142 142 172 20										
10 40 70 100 130 160 19 11 41 71 101 131 161 19 12 42 72 102 132 162 19 13 43 73 103 133 163 19 14 44 74 104 134 164 19 15 45 75 105 135 165 19 16 46 76 106 136 166 19 17 47 77 107 137 167 19 18 48 78 108 138 168 19 19 49 79 109 139 169 19 20 50 80 110 140 170 20 21 51 81 111 141 171 20 22 52 82 112 142 142 172 20		<u> </u>								
11 41 71 101 131 161 19 12 42 72 102 132 162 19 13 43 73 103 133 163 19 14 44 74 104 134 164 19 15 45 75 105 135 165 19 16 46 76 106 136 166 19 17 47 77 107 137 167 19 18 48 78 108 138 168 19 19 49 79 109 139 169 19 20 50 80 110 140 170 20 21 51 81 111 141 171 20 22 52 82 112 142 172 20										
12 42 72 102 132 162 19 13 43 73 103 133 163 19 14 44 74 104 134 164 19 15 45 75 105 135 165 19 16 46 76 106 136 166 19 17 47 77 107 137 167 19 18 48 78 108 138 168 19 19 49 79 109 139 169 19 20 50 80 110 140 170 20 21 51 81 111 141 171 20 22 52 82 112 142 172 20										
13 43 73 103 133 163 19 14 44 74 104 134 164 19 15 45 75 105 135 165 19 16 46 76 106 136 166 19 17 47 77 107 137 167 19 18 48 78 108 138 168 19 19 49 79 109 139 169 19 20 50 80 110 140 170 20 21 51 81 111 141 171 20 22 52 82 112 142 172 20			+ $-$							
14 44 74 104 134 164 19 15 45 75 105 135 165 19 16 46 76 106 136 166 19 17 47 77 107 137 167 19 18 48 78 108 138 168 19 19 49 79 109 139 169 19 20 50 80 110 140 170 20 21 51 81 111 141 171 20 22 52 82 112 142 172 20			┨ ├──							
16 46 76 106 136 166 19 17 47 77 107 137 167 19 18 48 78 108 138 168 19 19 49 79 109 139 169 19 20 50 80 110 140 170 20 21 51 81 111 141 171 20 22 52 82 112 142 172 20	14	44		74	104		134	164	19	
17 47 77 107 137 167 19 18 48 78 108 138 168 19 19 49 79 109 139 169 19 20 50 80 110 140 170 20 21 51 81 111 141 171 20 22 52 82 112 142 172 20								<u> </u>		
18 48 78 108 138 168 19 19 49 79 109 139 169 19 20 50 80 110 140 170 20 21 51 81 111 141 171 20 22 52 82 112 142 172 20										
19 49 79 109 139 169 19 20 50 80 110 140 170 20 21 51 81 111 141 171 20 22 52 82 112 142 172 20										
20 50 80 110 140 170 20 21 51 81 111 141 171 20 22 52 82 112 142 172 20										
22 52 82 112 142 172 20	20	50		80	110		140	170	20	
			_							
$\{1, 1, 2, 2, 1, 1, 1, 2, 2, 1, 1, 1, 2, 2, 1, 1, 1, 1, 2, 2, 1, 1, 1, 2, 2, 1, 1, 1, 2, 2, 1, 1, 1, 2, 2, 1, 1, 1, 2, 2, 1, 1, 1, 2, 2, 1, 1, 1, 2, 2, 1, 1, 1, 2, 2, 1, 1, 1, 2, 2, 1, 1, 2, 2, 1, 1, 1, 2, 2, 1, 1, 1, 2, 2, 1, 1, 1, 2, 2, 1, 1, 1, 2, 2, 1, 1, 1, 2, 2, 1, 1, 1, 2, 2, 1, 1, 1, 2, 2, 1, 1, 1, 2, 2, 1, 1, 1, 2, 2, 1, 1, 1, 2, 2, 1, 1, 1, 2, 2, 1, 1, 1, 2, 2, 1, 1, 2, 2, 1, 1, 1, 2, 2, 1, 1, 1, 2, 2, 1, 1, 1, 2, 2, 1, 1, 1, 2, 2, 1, 1, 1, 2, 2, 1, 1, 1, 2, 2, 1, 1, 1, 2, 2, 1, 1, 1, 2, 2, 1, 1, 2, 2, 1, 1, 2, 2, 1, 1, 2, 2, 1, 1, 2, 2, 1, 1, 2, 2, 1, 1, 2, 2, 1, 1, 2, 2, 1, 1, 1, 1, 2, 2, 1, 1, 1, 2, 2, 1, 1, 1, 2, 2, 1, 1, 1, 2, 2, 1, 1, 1, 2, 2, 1, 1, 1, 2, 2, 1, 1, 1, 2, 2, 1, 1, 1, 2, 2, 1, 1, 1, 1, 2, 2, 1, 1, 1, 1, 2, 2, 1, 1, 1, 1, 2, 2, 1, 1, 1, 1, 2, 2, 1, 1, 1, 1, 2, 2, 1, 1, 1, 1, 2, 2, 1, 1, 1, 1, 2, 2, 1, 1, 1, 1, 2, 2, 1, 1, 1, 1, 2, 2, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1,$	22	52		82	112		142	172	20:	